



KBWELD HDC6

Large-scale welding robotic systems

High-dynamic robotic, multi-axis automated welding system. KBWELD HDC is a console-type linear-drive system with a robust construction with precision guides. It achieves high speed and accuracy thanks to digital servo-controlled motors.

KBWELD HDC6 has a wide range of applications - complex, ribbed beams with slopes, panels, boards, ribbed sections; For straight and circular seams, various building elements, machine housings and more.

KEY FEATURES

- 5 or 6-axis, robotic welding column systems with rotary Y-beam
- Multiple work-areas along the X-axis
- High-speed welding by Tandem welding systems
- Welding seam tracking capabilities
- Multiple peripheral servo-positioners controlled
- Multiple robots welding simultaneously within the same work-area
- Infinite longitudinal stroke along the X-axis rail due to all-n platform system design
- Automatic optimized welding torch cleaning capabilities
- Offline programming on a 3D model of the work-piece with searching the seam position
- Unique self-adjustable seam tracking feature during welding
- Multiple coordinate systems - Torch TCP control, World and Machine coordinate system
- One and two-axis servo-positioner coordinate motion

